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SEQUENCE LISTING

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YU, CHUNJIANG

<120> MEMBRANE PREPARATION FROM PICHIA PASTORIS TO ASSAY
γ-SECRETASE ACTIVITY

<130> ARCD:398WO

<141> PCT/US2004/031230
<141> 2004-09-23

<150> 10/948,629
<151> 2004-09-23

<150> 60/505,601
<151> 2003-09-23

<160> 16

<170> PatentIn Ver. 2.1

<210> 1
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<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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Arg Glu Arg Gln Glu His Asn Asp Arg Arg Ser Leu Gly His Pro Glu
35 40 45

Pro Leu Ser Asn Gly Arg Pro Gln Gly Asn Ser Arg Gln Val Val Glu
50 55 60

Gln Asp Glu Glu Glu Asp Glu Glu Leu Thr Leu Lys Tyr Gly Ala Lys
65 70 75 80

His Val Ile Met Leu Phe Val Pro Val Thr Leu Cys Met Val Val Val
85 90 95

Val Ala Thr Ile Lys Ser Val Ser Phe Tyr Thr Arg Lys Asp Gly Gln
100 105 110

Leu Ile Tyr Thr Pro Phe Thr Glu Asp Thr Glu Thr Val Gly Gln Arg
115 120 125

Ala Leu His Ser Ile Leu Asn Ala Ala Ile Met Ile Ser Val Ile Val
130 135 140

Val Met Thr Ile Leu Leu Val Val Leu Tyr Lys Tyr Arg Cys Tyr Lys
145 150 155 160

Val Ile His Ala Trp Leu Ile Ile Ser Ser Leu Leu Leu Phe Phe
165 170 175

Phe Ser Phe Ile Tyr Leu Gly Glu Val Phe Lys Thr Tyr Asn Val Ala
180 185 190

Val Asp Tyr Ile Thr Val Ala Leu Leu Ile Trp Asn Phe Gly Val Val
195 200 205

Gly Met Ile Ser Ile His Trp Lys Gly Pro Leu Arg Leu Gln Gln Ala
210 215 220

Tyr Leu Ile Met Ile Ser Ala Leu Met Ala Leu Val Phe Ile Lys Tyr
225 230 235 240

Leu Pro Glu Trp Thr Ala Trp Leu Ile Leu Ala Val Ile Ser Val Tyr
245 250 255

Asp Leu Val Ala Val Leu Cys Pro Lys Gly Pro Leu Arg Met Leu Val
260 265 270

Glu Thr Ala Gln Glu Arg Asn Glu Thr Leu Phe Pro Ala Leu Ile Tyr
275 280 285

Ser Ser Thr Met Val Trp Leu Val Asn Met Ala Glu Gly Asp Pro Glu
290 295 300

Ala Gln Arg Arg Val Ser Lys Asn Ser Lys Tyr Asn Ala Glu Ser Thr
305 310 315 320

Glu Arg Glu Ser Gln Asp Thr Val Ala Glu Asn Asp Asp Gly Gly Phe
325 330 335

Ser Glu Glu Trp Glu Ala Gln Arg Asp Ser His Leu Gly Pro His Arg
340 345 350

Ser Thr Pro Glu Ser Arg Ala Ala Val Gln Glu Leu Ser Ser Ser Ile
355 360 365

Leu Ala Gly Glu Asp Pro Glu Glu Arg Gly Val Lys Leu Gly Leu Gly
370 375 380

Asp Phe Ile Phe Tyr Ser Val Leu Val Gly Lys Ala Ser Ala Thr Ala
385 390 395 400

Ser Gly Asp Trp Asn Thr Thr Ile Ala Cys Phe Val Ala Ile Leu Ile
405 410 415

Gly Leu Cys Leu Thr Leu Leu Leu Ala Ile Phe Lys Lys Ala Leu
420 425 430

Pro Ala Leu Pro Ile Ser Ile Thr Phe Gly Leu Val Phe Tyr Phe Ala
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Thr Asp Tyr Leu Val Gln Pro Phe Met Asp Gln Leu Ala Phe His Gln
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Phe Tyr Ile
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<210> 3
<211> 28
<212> DNA
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<220>

<223> Description of Artificial Sequence: Synthetic Primer

<400> 3
ggcgaattca ccatgggggc tgcggtgt 28

<210> 4
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Primer

<400> 4
ggcgaattct caatggtgat ggtgatgatg 30

<210> 5
<211> 30
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Primer

<400> 5
gcccaattga ccatggctac ggcagggggt 30

<210> 6
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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Primer

<400> 6
gcccaattgt cagttatgaca cagtcctgg 30

<210> 7
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<220>
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ggcgaattca ccatgaacct ggagcgagtg 30

<210> 8
<211> 30

<212> DNA
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<400> 8
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<210> 9
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<400> 9
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<210> 10
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<223> Description of Artificial Sequence: Synthetic Primer

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<210> 11
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<212> DNA
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<223> Description of Artificial Sequence: Synthetic Primer

<400> 11
gccagatctc atcttgtgac tggttgatc 29

<210> 12
<211> 30
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Primer

<400> 12
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<210> 13
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<212> DNA
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 <223> Description of Artificial Sequence: Synthetic
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 <400> 13
 cgcgatcca ggttgtgaag atgttagag 28

<210> 14
 <211> 29
 <212> DNA
 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: Synthetic
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 <400> 14
 ggcagatctg agccatactt ccaactatc 29

<210> 15
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 <212> DNA
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 <220>
 <223> Description of Artificial Sequence: Synthetic
 Primer

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 atagcgacag tgatcgatc caccctgggt atgctgaaga agaaacagta cacatccatt 180
 catcatggtg tggtgaggt tgaccccgct gtcacccag aggagcgcca cctgtccaag 240
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 <212> PRT
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 <223> Description of Artificial Sequence: Synthetic
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 <400> 16
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 1 5 10 15

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 20 25 30

 Ile Pro Ala Glu Ala Val Ile Gly Tyr Ser Asp Leu Glu Gly Asp Phe
 35 40 45

 Asp Val Ala Val Leu Pro Phe Ser Asn Ser Thr Asn Asn Gly Leu Leu

50

55

60

Phe Ile Asn Thr Thr Ile Ala Ser Ile Ala Ala Lys Glu Glu Gly Val
65 70 75 80

Ser Leu Glu Lys Arg Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu
85 90 95

Val His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn
100 105 110

Lys Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val Val Ile Ala Thr
115 120 125

Val Ile Val Ile Thr Leu Val Met Leu Lys Lys Lys Gln Tyr Thr Ser
130 135 140

Ile His His Gly Val Val Glu Val Asp Ala Ala Val Thr Pro Glu Glu
145 150 155 160

Arg His Leu Ser Lys Met Gln Gln Asn Gly Tyr Glu Asn Pro Thr Tyr
165 170 175

Lys Phe Phe Glu Gln Met Gln Asn Gly Leu Glu Gln Lys Leu Ile Ser
180 185 190

Glu Glu Asp Leu Asn Ser Ala Val Asp His His His His His
195 200 205